

EDSYN GMBH EUROPA, Postfach 1169, D-97888 Kreuzwertheim

03.09.2013

## Material Safety Data Sheet - according to directive 91/155/EWG

### INTERNATIONAL STANDARD NORM ISO 11014-1

le Name: SSAC 2010			Cu0,5	F-SW3 NF EN	82 Type 1.1.3.B   29 454.1
<u>Manufacturer:</u> Address:	Finkenweg 2				
<u>COMPOSITIONS / INFORMATION ON</u> THE COMPONENTS					
2.1 Description:	Solder wire Silver/Tin/Copper with incorporated flux Type 1.1.3 B				
2.2 Components:	Alloys:	Codes	Conce	entration	R Phrases:
	Tin Copper Silver	7440-31-5 7440-8 7440-22-4	96.5% 0. 5% 3%		
	Cored Fluxes:				
	Tripropyleneg	lycol methylic ethe			
	Quantity:		0.7 – 0	).9% of flu	х
HAZARD IDENTIFICATION					
3.1 Instability:	This product	is stable.			
3.2 Incompatibility:	Avoid contact with basics, acids and oxidizing chemicals. Hazardous reactions with mineral acids: sulfuric acids, phosphoric, nitric (concentrated).				
3.3 Hazardous products of decomposition:	No hazardous reaction when normally use				
FIRST AID MEASURES					
Dusts and fumes					
4.1 Inhalation:		In case of large quantities inhaled, remove from the exposure area. Was			posure area. Wash
4.2 Ingestion:	nose and lips. Seek medical advice.				
4.3 Skin contact:	No known hazardous reaction, wash with water and soap.				
4.4 Eye contact:	Flush thoroughly with clear water; in case of persisting irritation seek an ophthalmologist.			irritation seek an	
	Manufacturer:     Address:     COMPOSITIONS / INFORMATION ON     THE COMPONENTS     2.1 Description:     2.2 Components:     2.2 Components:     HAZARD IDENTIFICATION     3.1 Instability:     3.2 Incompatibility:     3.3 Hazardous products of decomposition:     FIRST AID MEASURES     Dusts and fumes     4.1 Inhalation:     4.2 Ingestion:     4.3 Skin contact:	Manufacturer: Address:EDSYN GME Finkenweg 2 D 97892 KreatCOMPOSITIONS / INFORMATION ON THE COMPONENTSSolder wire S Solder wire S2.1 Description:Solder wire S Alloys:2.2 Components:Alloys: Tin Copper SilverTin Copper SilverCored Fluxer Colophonium Tripropyleneg Aliphatic orge Quantity:HAZARD IDENTIFICATION 3.1 Instability:This product Avoid contact Hazardous re (concentrated)3.3 Hazardous products of decomposition:No hazardousFIRST AID MEASURES Dusts and fumesIn case of large nose and lips Seek medical4.1 Inhalation: 4.2 Ingestion:In case of large seek medical4.3 Skin contact: 4.4 Eye contact:No known ha	DIN EN 29 453     Manufacturer:     Address:     EDSYN GMBH EUROPA     Finkenweg 2     D 97892 Kreuzwertheim     COMPOSITIONS / INFORMATION ON     THE COMPONENTS     2.1 Description:     Solder wire Silver/Tin/Copper w     Allovs:   Codes     Tin   7440-31-5     Copper   7440-8     Silver   7440-22-4     Cored Fluxes:   Colophonium     Colophonium   Tripropyleneglycol methylic ethe     Allphatic organic acid   Quantity:     HAZARD IDENTIFICATION   Avoid contact with basics, acids     3.1 Instability:   This product is stable.     3.2 Incompatibility:   Avoid contact with basics, acids     3.3 Hazardous products of decomposition:   No hazardous reaction when no     FIRST AID MEASURES   In case of large quantities inhale nose and lips.     Seek medical advice.   Seek medical advice.     4.3 Skin contact:   No known hazardous reaction, with clear wate	DIN EN 29 453     Manufacturer:     Address:     EDSYN GMBH EUROPA     Finkenweg 2     D 97892 Kreuzwertheim     Finkenweg 2     D 96.5%     Coreer Fluxes:     Colophonium     Tripropyleneglycol methylic ether     Aliphatic organic acid     J 1 Instability:     J 1 Instability:  <	DIN EN 29 453   NF EN     Manufacturer:   EDSYN GMBH EUROPA     Address:   Finkenweg 2     D 97892 Kreuzwertheim   Tel::09342 - 6413     D 97892 Kreuzwertheim   Fax: 09342 - 6417     COMPOSITIONS / INFORMATION ON   Fax: 09342 - 6417     THE COMPONENTS   Solder wire Silver/Tin/Copper with incorporated flux Ty     2.1 Description:   Solder wire Silver/Tin/Copper with incorporated flux Ty     2.2 Components:   Alloys:   Codes   Concentration     Tin   7440-31-5   96.5%   0.5%     Copper   7440-8   0.5%   5%     Coloppor   7440-8   0.5%   5%     Quantity:   0.740.8   0.5%   0.5%     Quantity:   0.7 – 0.9% of flu   33.3%     Aliphatic organic acid   50%   0%   0.7 – 0.9% of flu     HAZARD IDENTIFICATION   Avoid contact with basics, acids and oxidizing chemica Hazardous reactions with mineral acids: sulfuric acids, (concentrated).   3.3 Hazardous products of decomposition:   No hazardous reaction when normally used.     FIRST AID MEASURES   Dusts and fumes   In case of large quantities inhaled, remove from the ex nose and lips.   Seek medical advice. <t< td=""></t<>

# EDSYN GMBH EUROPA

## Zentrum für Löt- und Entlötsysteme

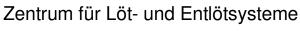


EDSYN GMBH EUROPA, Postfach 1169, D-97888 Kreuzwertheim

#### 03.09.2013

5.)	FIRE FIGHTING MEASURES	Sn 96,5Ag3Cu0.5 FXN solder wire is not flammable.
	5.1 Suitable extinguishing media:	Not specific agent, use the suitable media appropriate for surrounding material.
5.2 Extinguishing media which mu not be used:		Water on liquid metal.
	5.3 Special exposure hazards:	Inhalation of toxic fumes.
	5.4 Special protective equipment for fire-fighters:	Wear a self-contained breathing apparatus.
6.)	ACCIDENTAL RELEASE MEASURES	
	<ul><li>6.1 Individual precautions:</li><li>6.2 Environmental precautions:</li><li>6.3 Methods for cleaning up:</li></ul>	Prefer handle with gloves. Collect the product. Not relevant due to the massive form of the product.
7.)	HANDLING AND STORAGE	
	7.1 Handling:	Set up a dust, fumes or vapor collection system at the point of emission. Use closed or hood covered systems for thermal operation, avoid blow torch cutting (emission of toxic vapors).
	7.2 Storage: 7.3 Conditioning materials:	Stow away from foodstuffs. Avoid the possibility of contact with acids. Recyclable containers.
8.)	EXPOSURE CONTROLS AND PERSONAL PROTECTION	
	8.1 Respiratory protection: 8.2 Hand protection:	Take an air purifying respirator for limited operations where permissible exposure levels may be exceeded. Appropriate gloves.
	8.3 Eye protection:	Safety glasses or facial shield (if ejections may occur).
	8.4 Hygienic measures:	Strict hygiene requirements will be prescribed at the workplace.
9.)	PHYSICAL AND CHEMICAL PROPERTIES	
	Appearance:	Wires
	Packaging:	Reels of 50 g to 4 kg
	Characteristic data: Ph: Melting point (alloy): Melting point (flux): Density (alloy): Acid value (flux): Halogen content: Explosivity: Solubility:	Not applicable 217°C 80 to 100°C 7.35 Kg / dm <sup>3</sup> at 20°C 520 (Mg Koh for 1 gr. of flux) none not concerned insoluble in water, soluble in acetic acid, in nitric acid in hot concentrated sulfuric acid
10.)	STABILITY AND REACTIVITY	

# EDSYN GMBH EUROPA





EDSYN GMBH EUROPA, Postfach 1169, D-97888 Kreuzwertheim

### 03.09.2013

		The product is stable in normal conditions	
	Conditions to avoid:	Mechanical and thermal operations giving rise to dusts or fumes without appropriate ventilation.	
	Materials to avoid:	Due to the toxic properties of lead salts, avoid accidental contact with acids, particularly with acetic acid.	
	Hazardous decomposition products:	Not applicable.	
11.)	TOXICOLOGICAL INFORMATION		
	Toxicological analyses:	This good is not concerned in its final shape.	
12. <u>)</u>	ECOLOGICAL INFORMATION		
	Mobility:	Not applicable.	
	Persistence/Degradability:	Sn/Ag/Cu alloy is a particularly corrosion proof metal.	
	Water pollution:	Not available information.	
	AOX-Data:	Containing the chemical formula of heavy metals (refer to Legal rules 76/464/CEE)	
13.)	DISPOSAL		
	Surplus and wastes:	Collect all wastes.	
	Contaminated packaging:	Never use packaging for another purpose.	
14.)	TRANSPORT INFORMATION		
		Not classified as dangerous goods by any international codes or agreements (RID/ADR, IMDG, IATA)	
15.)	REGULATORY INFORMATIONS		
		Regulatory applicable to member states of the European Community	
	Classification, labeling:	Not classified.	
16.)	OTHER INFORMATION	The relevant data sheet is applicable here. The information contained here in is based on data considered accurate and is offered at no charge. Our aim, by providing the above information which reflects the current status of our knowledge and experience is to describe our product in terms of safety requirements. Liability is expressly disclaimed for loss or injury arising out of use of this information or the use of any materials designated. Supplementary copies of this data sheet are available on request.	